**IT Applications Unit 3, AOS 2, Organisations and Data Management**

**Structure and role of relational databases, p 101**

**Describe the following relationships in a relational database.**

1. One-to-one relationship
2. One-to-many relationship
3. Many-to-many relationship

**Determining a RDBMS structure**

Need to determine which field in each database will be the primary key

1. What are the roles of foreign keys?

**Read the document, Primary keys/ Foreign keys**

b. describe the characteristics of a foreign key.

What is meant by referential integrity?

**Table normalisation**

1. What is the role of table normalisation?
2. There are six “normal forms”, each rule applied successively from the first normal form, (1NF).
3. Describe the nature of the following three “normal forms”.
   1. First normal form, (1NF)
   2. Second normal form, (2NF)
   3. Third normal form, (3NF)

**Read the article, normalisation for more explanation of this process.**